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The three diagrams show the construction of a circle tangent to a line and passing through a point. In the first diagram, a circle with center H is tangent to a line at point A. A point B is on the circle, and a line segment AB is drawn. A line segment ZH is drawn from the center H to a point Z on the line. In the second diagram, a circle with center Z is tangent to a line at point A. A point B is on the circle, and a line segment AB is drawn. A line segment ZH is drawn from the center Z to a point H on the line. In the third diagram, a circle with center H is tangent to a line at point A. A point B is on the circle, and a line segment AB is drawn. A line segment ZH is drawn from the center H to a point Z on the line. The diagrams are labeled with letters A, B, H, Z, and lines.

